TID/TAB - 97/66
26 September 1966

MEMORANDUM FOR THE RECORD

SUBJECT: Meeting on 16 September 1966 with [ ] on the   25X
          Engineering Study Phase of the Strip Program

    1. The purpose of this meeting with [ ]   25X
[ ] was to discuss the various trade-offs
needed to write a strip program, and to maintain the specified
accuracy.

    2. The following trade-offs were discussed:

    a. Look angle

        This angle is not to be confused with what TAB
calls the obliquity angle. The look angle is the angle
formed by the principle ray of the lens and the image
point. This would place a limit of plus or minus 800 mm
as the distance from the principle point to the image
point. In other words an origin couldn't be established
on the film and then try to work on an area that is over
800 mm from the origin. The consensus of the group was
that this will not restrict us as the origin would be
established for a frame as the point on the frame that
was exposed in conjunction with the steller exposure.

    b. Orientation Elements

        Two methods were presented by [ ] for entering   25X
Orientation Elements. The first, was to enter the
Orientation Elements and then hold them constant without
any change. The second, was to enter the Orientation
Elements and changes could then be incremented into the
computer through data switches. It was decided that we
would rather have the capability to increment in any
change to the Orientation Elements.

Declass Review by NGA.

TID/**TAB**-97/66
Page 2

SUBJECT: Meeting on 16 **September** 1966 with [   ] on the
Engineering Study Phase of the Strip Program

25X

X1

[   ] suggested that we make measurements for
relative or absolute orientation on another comparator
such as the Point Transfer Device and then use an off-
line computer program to compute the orientation elements.
This would not tie up the AP-3 production time doing
relative and absolute orientation. This would, however,
involve programming support from IPD to make these
computations.

X1

TAB would also have to do the pre-processing for
film velocity. [   ] wanted to know if the film
velocity would be a function of time or distance. [   ]
stated that for programming purposes they would rather
have film velocity as a function of time. [   ] would
also have to know what the limits would be for film
velocity.

25X

25X

3. The meeting was closed. [   ] will investigate and
evaluate these alternate programming approaches. When this
phase of the Engineering Study is completed an informal report
will be submitted to NPIC.

25X

[   ]
Production Section
Technical Analysis Branch

25X

Distribution:
    Orig. - C/NPIC/TID/TAB (Route to C/TID & return)
       1 - Asst. for P&DS, [   ]
       1 - C/NPIC/TID/TAB/PS, Attn: [   ]
       1 - C/NPIC/TID/TAB/PS, Attn: [   ]
       1 - C/NPIC/TID/TAB File

25X
25X